

IN THE CLAIMS:

Please amend claims 13, 19, 20, 21 and 25-28 as shown in the following listing of claims, which replaces all previous versions and listing of claims.

1. (original) An apparatus for transmitting a stream of information bytes comprising:
means for receiving a message specifying a radio link protocol (RLP) round-trip time (RTT) estimate; and
means for conducting an RLP communication session using said RTT estimate to determine negative acknowledgement (NAK) message timing.
2. (original) The apparatus of claim 1 wherein said message is a service negotiation message.
3. (original) The apparatus of claim 1 wherein said message is a Service Connect Message.
4. (original) The apparatus of claim 3 wherein said Service Connect Message further specifies a NAK scheme, and further comprising:
means for applying said NAK scheme in transmissions.
5. (original) The apparatus of claim 1 further comprising:
means for negotiating, using service negotiation messages, a NAK scheme used during said subsequent RLP communication session.
6. (original) The apparatus of claim 1 further comprising:
means for negotiating, using service negotiation messages, encryption parameters used during said subsequent RLP communication session.

7. (original) The apparatus of claim 1 wherein said message is a Service Request Message.

8. (original) The apparatus of claim 1 wherein said message is a Service Response Message.

9. (original) The apparatus of claim 1 wherein said message is a General Handoff Direction Message.

10. (original) The apparatus of claim 1 wherein said message is a Universal Handoff Direction Message.

11. (original) An apparatus for transmitting a stream of information bytes comprising:

means for sending a message specifying a radio link protocol (RLP) round-trip time (RTT) estimate; and

means for conducting an RLP communication session using said RTT estimate to determine negative acknowledgment (NAK) messaging timing.

12. (original) The apparatus of claim 11 wherein said message is a service negotiation message.

13. (currently amended) The apparatus of claim 11 wherein said RTT estimate is specified by an operator of a base station and is used to determine NAK message timing for a second RLP communication session. ~~sessions between one or more subscriber stations and said base station.~~

14. (original) The apparatus of claim 11 wherein said message is a Service Connect Message.

15. (original) The apparatus of claim 11 wherein said message is a Service Request Message.

16. (original) The apparatus of claim 11 wherein said message is a Service Response Message.

17. (original) The apparatus of claim 11 wherein said message is a General Handoff Direction Message.

18. (original) The apparatus of claim 11 wherein said message is a Universal Handoff Direction Message.

19. (currently amended) The apparatus of claim 14 wherein said Service Connect Message further specifies a NAK scheme, and further comprising:
means for ~~using~~ applying said NAK scheme in transmissions.

20. (currently amended) The apparatus of claim ~~20~~ 11 further comprising:
means for negotiating, using service negotiation messages, a NAK scheme used during said subsequent RLP communication session.

21. (currently amended) The apparatus of claim ~~20~~ 11 further comprising:
means for negotiating, using service negotiation messages, encryption parameters used during said subsequent RLP communication session.

22. (original) An apparatus for transmitting a stream of information bytes comprising:

means for establishing a first radio link protocol (RLP) round-trip time (RTT) estimate during service negotiation; and

means for using said first RLP RTT estimate to determine negative acknowledgment (NAK) message timing in a subsequent RLP communication session.

23. (original) The apparatus of claim 22 further comprising:

means for measuring the delay between transmitting a NAK frame and receiving a first corresponding retransmit frame to form a second RLP RTT estimate; and

means for updating said first RLP RTT estimate based on said second RLP RTT estimate.

24. (original) The apparatus of claim 23 wherein said means for updating further comprises a performing a weighted average of said first RLP RTT estimate and said second RLP RTT estimate.

25. (currently amended) The apparatus of claim 23 wherein said means for updating further comprises replacing ~~replace~~ said first RLP RTT estimate with said second RLP estimate based on receipt of the first retransmit frame of said RLP communication session.

26. (currently amended) An apparatus for transmitting a stream of information bytes comprising:

means for performing a 3-way handshake to generate a first round-trip time (RTT) estimate associated with a first radio link protocol (RLP) communication session;

means for establishing a second RTT estimate associated with a second RLP communication session, wherein said second RTT estimate is based on said first RTT

estimate, and wherein said second RTT estimate is established during service negotiation; and

means for using said second RLP RTT estimate to determine negative acknowledgment (NAK) message timing in a said subsequent second RLP communication session.

27. (currently amended) The apparatus of claim 26 wherein said means for performing a 3-way handshake is performed between a base station and a subscriber station and said means for establishing a second RTT estimate is performed between said base station and said subscriber station.

28. (currently amended) The apparatus of claim 26 wherein said means for performing a 3-way handshake is performed between a base station and a first subscriber station and said means for establishing a second RTT estimate is performed between said base station and a second subscriber station.

29. (original) The apparatus of claim 26 wherein said second RTT estimate is generated by adding a predetermined guard time to said first RTT estimate.